

**From:** [MCDONNELL Erin](#)  
**To:** [Chip.Humphrey/R10/USEPA/US@EPA](#)  
**Subject:** RE: West Company Lake Investigation Report  
**Date:** 10/18/2011 09:43 AM

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Hi Chip,  
I was out yesterday, but I did review the report. I would agree that older process residue at the former West Lake Company appears to be limited and does not present an unacceptable risk. Therefore, restrictions for subsurface soil seems unnecessary. I will discuss the findings with Bruce Gilles today and get back to you.

Erin McDonnell, P.E.  
Cleanup Project Engineer  
Oregon DEQ, NWR  
503.229.6900

-----Original Message-----  
From: [Humphrey.Chip@epamail.epa.gov](#) [mailto:[Humphrey.Chip@epamail.epa.gov](#)]  
Sent: Tuesday, October 11, 2011 10:06 AM  
To: MCDONNELL Erin  
Cc: GILLES Bruce A  
Subject: Fw: West Company Lake Investigation Report

Hi Erin

I don't know if you've had a chance to look at the Reynolds/Alcoa's report, but I advised our attorneys and management that I am questioning whether we need the subsurface soil restrictions in the current version of the easement for the Knife River property. I wanted to get DEQ's view before we get too far along. The groundwater restrictions wouldn't be affected, so they would still need to execute the E&ES.

Here's the note I sent our attorney & unit manager after looking at the data. Please let me know if you would like to discuss or have a position on this.

thanks  
Chip Humphrey  
EPA  
Oregon Operations Office  
(503) 326-2678

----- Forwarded by Chip Humphrey/R10/USEPA/US on 10/11/2011 09:53 AM  
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From: Chip Humphrey/R10/USEPA/US  
To: Joan Shirley/R10/USEPA/US@EPA  
Cc: Deb Yamamoto/R10/USEPA/US@EPA, Maryjane Nearman/R10/USEPA/US@EPA  
Date: 09/30/2011 04:32 PM  
Subject: Fw: West Company Lake Investigation Report

Hi Joan

Reynolds Metals has submitted the results (copy attached below) of their investigation of subsurface contamination on the Knife River property. Based on my quick review, and assuming the QA/QC is OK, we may want to reconsider whether we need the subsurface soil restriction that is in the current draft easement. All of the subsurface contaminant levels are below industrial screening levels except for arsenic. The arsenic levels (2.8 to 10.9 mg/kg) are within the range of background values for the area. In addition, there only two samples that exceed screening levels for residential use for contaminants other than arsenic:

Sample #SB 5, 4 to 5ft deep, with benzo(a)pyrene (BaP) @ 67ug/kg. BaP screening level is 15 ug/kg

Sample #SB-11, 5.5 - 6.5 ft deep, with 32 ug/kg BaP; (15 ug/kg screening level) and 46.5 ug/kg Benzo (a,h) anthracene (15 ug/kg screening level)

We will still need to have the easement completed for the groundwater restrictions.

Chip

----- Forwarded by Chip Humphrey/R10/USEPA/US on 09/30/2011 03:58 PM  
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From: "Shaw, Steve M." <[Steve.Shaw@Alcoa.com](#)>  
To: Chip Humphrey/R10/USEPA/US@EPA, Maryjane Nearman/R10/USEPA/US@EPA  
Cc: "Stiffler, Mark" <[Mark.Stiffler@alcoa.com](#)>, "Dworek, Rick" <[Richard.Dworek@alcoa.com](#)>, "Erin MCDONNELL" <[MCDONNELL.Erin@deg.state.or.us](#)>, "Steyaert, Jeff" <[Jeff.Steyaert@Kniferiver.com](#)>

Date: 09/30/2011 12:57 PM  
Subject: West Company Lake Investigation Report

Chip, Maryjane,  
Attached is an electronic copy of the West Company Lake Investigation Report.  
I will forward a hard copy of the report later next week.

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[attachment "WCLakeReport.pdf" deleted by Chip Humphrey/R10/USEPA/US]